Assignment -3

Python Programming

Assignment Date	01 October 2022
Student Name	Prabagar S
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Maximum Marks	2 Marks

BLINKING OF LED IN RASPBERRY PI:

Program:

```python
import RPi.GPIO as gpio
from time import sleep

gpio.setwarnings(False)
gpio.setmode(GPIO.BOARD)
gpio.setup(23, GPIO.OUT, initial=GPIO.LOW)

while True:
    gpio.output(23, GPIO.HIGH)
    sleep(1)
    gpio.output(23, GPIO.LOW)
    sleep(1)
```

TRAFFIC LIGHT IN RASPBERRY PI

Program:

```python
from gpiozero import Button, TrafficLights, Buzzer
from time import sleep

buzzer = Buzzer(15)
button = Button(21)
lights = TrafficLights(25, 8, 7)

while True:
        button.wait_for_press()
        buzzer.on()
        light.green.on()
        sleep(1)
        lights.amber.on()
        sleep(1)
        lights.red.on()
        sleep(1)
        lights.off()
        buzzer.off()
```